

CLAIMS AMENDMENTS

Please amend the claims as follows:

1. (Currently Amended) An endovascular implant, having comprising:

-a) a tubular main body, having open on its front sides, and comprising made of at least one biodegradable material, the main body having a location-dependent first degradation characteristic $D_1(x)$ in vivo; and

-b) a coating, which completely or possibly at least only partially covers the main body, the coating comprising made of at least one biodegradable material, the coating having a location-dependent second degradation characteristic $D_2(x)$ in vivo, and

-wherein a location-dependent cumulative degradation characteristic $D(x)$ results at a location (x) from the sum of the particular existing degradation characteristics $D_1(x)$ and $D_2(x)$ existing at the cited location (x) and the location-dependent cumulative degradation characteristic $D(x)$ is predefined by variation of the second degradation characteristic $D_2(x)$ in such way that the degradation at the cited location (x) of the implant occurs in a predefinable time interval having a predefinable degradation curve.

2. (Currently Amended) The implant according to of Claim 1, characterized in that wherein the degradation characteristic $D_2(x)$ of the coating is provided by varying its morphological structure, material modification of the material, and/or adapting a layer thickness of the coating.

3. (Currently Amended) The implant according to of Claims 1 or 2, characterized in that wherein the degradation characteristic $D_2(x)$ of the coating is predefined as a function of the pathophysiological conditions to be expected in application.

4. (Currently Amended) The implant according to of Claims 1 or 2, characterized in that wherein the degradation characteristic $D_2(x)$ of the coating is predefined as a function of the rheological conditions to be expected in application.

5. (New) The implant of Claim 2, wherein the degradation characteristic $D_2(x)$ of the coating is predefined as a function of the pathophysiological conditions to be expected in application.

6. (New) The implant of Claim 2, wherein the degradation characteristic $D_2(x)$ of the coating is predefined as a function of the pathophysiological conditions to be expected in application.